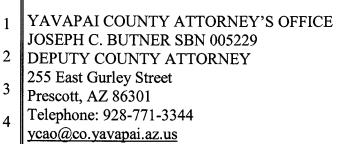
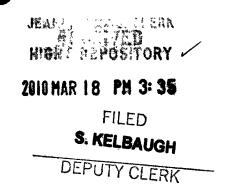
Office of the Yavapai County Attorney
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IN THE SUPERIOR COURT OF STATE OF ARIZONA IN AND FOR THE COUNTY OF YAVAPAI

STATE OF ARIZONA,	Cause No. P1300CR20081339
Plaintiff,	Division 6
v.	STATE'S NOTICE OF ADDITIONAL YSTR DNA TESTING ON FINGERNAIL CLIPPINGS AND OTHER SPECIFIED ITEMS AND STR DNA TESTING ON
STEVEN CARROLL DEMOCKER,	OTHER SPECIFIED ITEMS BY SORENSON FORENSIC LABORATORY
Defendant.	WHICH MAY CONSUME SAMPLES

The State of Arizona, by and through Sheila Sullivan Polk, Yavapai County Attorney, and her deputy undersigned, hereby Notifies this Court and Defendant that Sorenson Forensic Laboratories, 2495 Southwest Temple, Salt Lake City, Utah 84115, will commence to do additional DNA testing on the victim's fingernails and other specified items which may consume the DNA extracts from those items on Tuesday March 23, 2010 at 9 a.m. This testing may be done with a defense representative present, if the defense so desires. On November 17, 2009, this Court ordered the State to provide notice of what items are being tested, what tests are to be performed, the timeframe involved, what lab is doing the testing and whether there can be a cooperative presence by an expert from the other side.

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DESCRIPTION OF TESTING

The State has transmitted a number of important evidentiary items to Sorenson Laboratories for additional testing in this case. This additional testing is necessary because further YSTR testing will eliminate the victim's overwhelming DNA from the range of possibilities and additional swabbing will attempt to provide additional DNA extracts to develop better DNA profiles for comparison purposes.

The Forensic DNA Technical Leader of the Sorenson Forensic Laboratory has provided a description of the YSTR DNA testing process as follows:

- 1.) Reswab each clipping in its entirety;
- 2.) Combine swabs of each nail on each hand;
- 3.) Make new DNA extract with new Sorenson Lab swabbings from clippings;
- 4.) Make a new DNA extract with the DNA extract from the AZ DPS Lab test;
- 5.) Combine DNA extract from AZ DPS Lab with new Sorenson Lab extract;
- 6.) Requantify the combined DNA (At this stage determination can be made whether test will consume sample or leave some remainder);
- 7.) Amplify DNA extract;
- 8.) Run the DNA on the genetic analyzer to develop a DNA profile;
- 9.) Determine if there is match.

The goal of this process is to get a full picture of all DNA present on the victim's fingernails. At the present time it has been determined that there is DNA from at least two males present on the victim's fingernails. One male is unidentified, but there is a complete DNA profile of this person. The other male is unidentified and the DNA profile is incomplete.

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1 2 ignore the overwhelming DNA from the victim. Furthermore, if all the DNA is not consumed 3 it will be preserved for further testing, if necessary. This testing can be accomplished in its 4 entirety in less than two weeks. 5 The following numbered items are the items to be retested: 6 1403 organic extract marked 426A(O) washing machine hose, STR DNA testing 7 1415 organic extract marked 426B washing machine drain hose, STR DNA testing 8 9 1416 organic extract from item 507A swabs of E-tech telephone landline handset, 10 YSTR DNA testing 11 1417 organic extract from item #805 swab sample/ doorhandle of N hallway door, 12 YSTR DNA testing 13 1424 organic extract marked #603 V1 fingernails/ left, YSTR DNA testing 14 1419 organic extract marked #600 V1 fingernails/ right, YSTR DNA testing 15 The following items are to be re-swabbed and tested: 16 17 408 lithium phone battery, STR DNA testing 18 600 right hand fingernail clippings, YSTR DNA testing 19 603 left hand fingernail clippings, YSTR DNA testing 20 507 telephone handset, YSTR DNA testing 21 426 washing machine hose, STR DNA testing 22 805 door handle (N hallway to garage door), YSTR DNA testing 23 These results of these tests are needed to determine whether Defendant and/other 24

YSTR testing is more sensitive than than STR (autosomal) testing, will take less DNA and will

known males can be excluded as the donor to the incomplete profiles found at the crime scene

and to determine whether there is any other biological evidence on any of the above listed

1	items. The Sorenson Forensic Laboratory will allow a representative of the defense team to be
2	present when the tests are conducted.
3	
4	RESPECTFULLY SUBMITTED this /8 day of March, 2010.
5	
6	Sheila Sullivan Polk
7	YAVAPAI COUNTY ATTORNEY
8	
9	By: Joseph C. Butner
10	Deputy County Attorney
11	
12	
13	COPIES of the foregoing delivered this day of March, 2010 to:
14	Honorable Thomas J. Lindberg
15	Division 6
16	Yavapai County Superior Court (via email)
17	John Sears
18	107 North Cortez Street, Suite 104
19	Prescott, AZ 86301 Attorney for Defendant
20	(via email)
21	Larry Hammond Anne Chapman
22	Osborn Maledon, P.A.
23	2929 North Central Ave, 21 st Floor Phoenix, AZ
24	Attorney for Defendant (via email)
25 م	But la Courage